

WHAT IS CLAIMED IS:

1. A socket worked in cooperation with one of a plurality of wrenches of different sizes, comprising:

a lower connecting section including a cavity; and

5 a four-sided actuation block projected from a top of the connecting section, the actuation block including two curved bearing surfaces having different curvatures;

wherein the actuation block is operable to be held by an open end of the wrench with two opposite interior surfaces of the open end of the wrench being
10 in contact with two points of the bearing surfaces so that turning the wrench will fasten or unfasten an object coupled to the cavity.

2. The socket of claim 1, wherein the bearing surface comprises a slip resistant member formed thereon.

3. The socket of claim 1, wherein the actuation block comprises a recessed
15 coupling section having a section of square formed on a top thereof.

4. A socket worked in cooperation with one of a plurality of wrenches of different sizes, comprising:

a lower connecting section including a cavity; and

a four-sided actuation block projected from a top of the connecting section,
20 the actuation block including two bearing surfaces being not parallel with respect to each other;

wherein the actuation block is operable to be held by an open end of the wrench with two opposite interior surfaces of the open end of the wrench being
in contact with two points of the bearing surfaces so that turning the wrench will
25 fasten or unfasten an object coupled to the cavity.

5. The socket of claim 4, wherein the bearing surface comprises a slip resistant member formed thereon.

6. The socket of claim 4, wherein the actuation block comprises a recessed coupling section having a section of square formed on a top thereof.

7. A socket worked in cooperation with one of a plurality of wrenches of different sizes, comprising:

5 a lower connecting section including a bottom cavity and a top cavity having a section of a predetermined shape; and

 a separate actuation block including a lower protrusion having a section of the predetermined shape, the protrusion being adapted to insert into the cavity for coupling, and an upper four-sided member including two bearing surfaces;

10 wherein the actuation block is operable to be held by an open end of the wrench with two opposite interior surfaces of the open end of the wrench being in contact with two points of the bearing surfaces so that turning the wrench will fasten or unfasten an object coupled to the cavity.

8. The socket of claim 7, wherein the bearing surfaces are curved and have
15 different curvatures.

9. The socket of claim 7, wherein the bearing surfaces are not parallel with respect to each other.